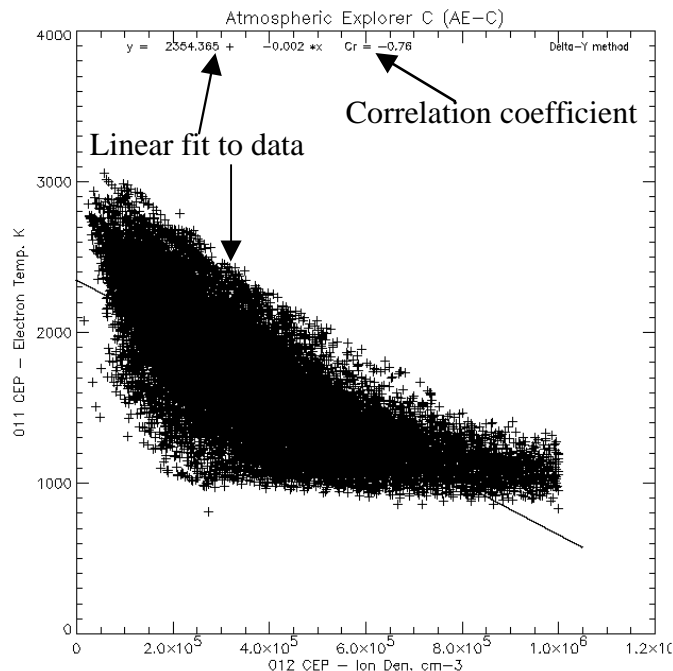


New Utility for Studying DE-2 and AE-C,-D,-E Data



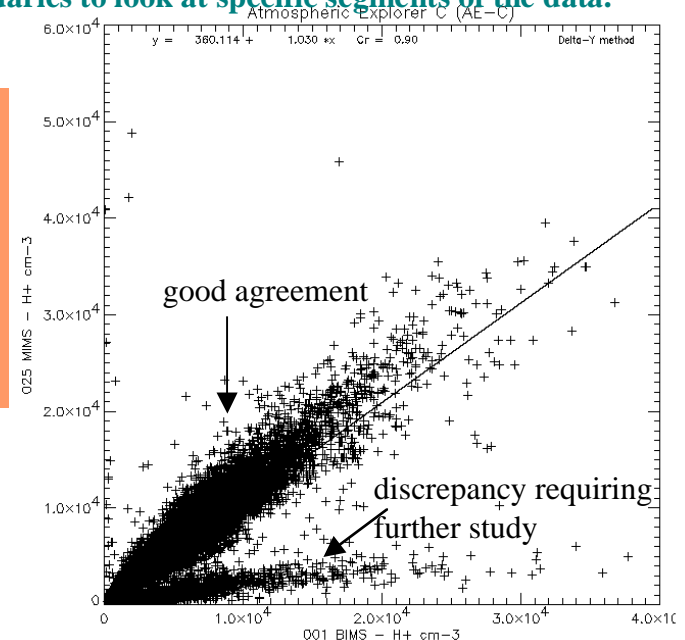
Scatter plot capabilities have been implemented on ATMOWeb for the 15-sec merged mission data from the Atmosphere Explorers (AE-C,-D, and -E) and the Dynamics Explorer (DE) 2.



Total ion density vs. electron temperature measured by AE-C Langmuir Probe showing the expected anti-correlation. Filters were set as follows: height: 200-500 km, LT: 10:00-14:00, latitude: -50 to 50.

A user can now generate scatter plots online between any two of the more than 90 Ionosphere-Thermosphere-Mesosphere (ITM) science parameters provided by these data sets. Optionally the user can specify lower and upper boundaries to look at specific segments of the data.

Sat.	Time Span	
AE-C	12/73	12/78
AE-D	10/75	1/76
AE-E	12/75	6/81
DE-2	8/81	2/83
covering a 10-year time period		



Comparing measurements of the same parameter by different experiments on the same satellite: hydrogen ion density as measured by the two ion mass spectrometers (BIMS, MIMS) on AE-C.